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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/929,353	08/15/2001	Wen-Tsung Liu	LIUW3001/EM/7128	8865		
23364	7590 02/23/2005		EXAMINER			
,	HOMAS, PLLC	VU, THONG H				
625 SLATERS FOURTH FLO		ART UNIT	PAPER NUMBER			
ALEXANDRIA, VA 22314			2142			
			DATE MAILED: 02/23/200	DATE MAILED: 02/23/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary Examiner Thong H Vu 2142 The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).									
Examiner Thong H Vu - The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ③ MONTH(S) FROM THE MAILING DATE of THIS COMMUNICATION. □ Extensions of time may be available under the provisions of 3°C FR 1.05(a), in no event, however, may a raply be timely filled. □ If NO period for regly is appealed above, the macrimar statutory period will apply and will expire SK (B) MONTH'S from the mailing date of this communication of the correspondence to the control of the correspondence to the other lates than the remaining date of this communication. As y regly received by the Official than these motions later the mailing date of this communication, even if timely filled, may reduce any search of the communication and providence and place than the providence and place the mailing date of this communication, even if timely filled, may reduce any search of the communication and place than the providence and place that the providence are search of the communication and place than the place than the mailing date of this communication, even if timely filled, may reduce any search of the communication and place that the mailing date of this communication, even if timely filled, may reduce any search of the communication and place that the mailing date of this communication. 1 □ Responsive to communication(s) filled on QF Fabruary 2005. 2 a) □ This action is FINAL. 2 b) ☑ This action is on-final. 3 □ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) ☑ Claim(s) 1.5 is/are pending in the application. 4a) ☑ Claim(s) 1.5 is/are allowed. □ Claim(s) 1.5 is/are objected to. □ Claim(s) 1.5 is/are objected to. □ Claim(s) 1.5 is/are objected to by the Examiner. 10) □ The drawing(s) filed on 1.5 is/are: a) □ accepted or b) □ objecte	<u>, , , , , , , , , , , , , , , , , , , </u>		Application	n No.	Applicant(s)				
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1. Claims 1-5 are pending.

Response to Arguments

2. Applicant's arguments with respect to claims 1-5 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 112

3. Claim 1 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention (i.e.: wherein when any of the signal transmission ends of the -?- or the second interface provides said action signals).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-5 are rejected under 35 U.S.C. § 103 as being unpatentable over Takagawa et al [Takagawa 5,987,612] in view of Silverman et al [Silverman, 6,370,603 B1]

4. As per claim 1, Takagawa discloses A double interfaced storage communication network card having a front end arranged to be removably inserted into a card-insertion slot of a first computing device, said first computing device transmitting action signals through a first interface to cause the communication network card to carry out an instructional action in response to an application demand from the first computing device and a second interface arranged to be connected to a second computing device

said second computing device transmitting action signals through said second interface to cause the communication network card to carry out said instructional action in response to an application demand from the second computing device said storage communication network card including:

a communication protocol device, a first interface and a first signal transmission end disposed at the front end thereof for insertion into said card-insertion slot of said first computing device so as to support said application demand from the first computing device, and a receiving space disposed inside the network card for accommodating a circuit board or other electronic components arranged to support and-said instructional action in response to said action signals received from said first computing device, a micro control chip and a memory body, comprising [Takagawa, the card interface and a CPU, col 4 lines 1-10; the card interface portion can install the two information cards 9a,9b which have information recorded within IC and allow free insertion an removal, col 4 lines 11-28, Fig 1]:

a communication protocol device disposed at a respective end of the first interface [Takagawa, a function to automatically originate a call to an Internet access point, col 4 lines 11-28];

wherein the communication protocol device includes said second interface and a second signal transmission end for connecting with a CPU of said second computer device [Takagawa, communicate to WWW server, col 4 lines 29-44, Fig 1];

wherein the micro control chip automatically detects, judges and supports said action signals from either of the first computing device and the second computing

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device through the first and the second interfaces [Takagawa, detects the removal of the card, col 4 line 51-col 5 line 15]; and

wherein when any of the signal transmission ends of the (?) or the second interface provides said action signals,

However Takagawa does not detail the micro control chip orders the circuit board or other electronic components to support said instructional action in response to said action signals from either of the first computing device and the second computing device through either of the first and the second interfaces.

Silverman discloses network interface device including a IC chip mounted to a circuit board using the IEEE1394 interface can response to the signal of any type of signal approaches [Silverman, col 8 lines 44-52]. It was well-known in the art that IEEE bus detects any signal of any interface card insert or remove.

Therefore it would have been obvious to an ordinary skill in the art at the time the invention was made to incorporate the circuit board with IC chip using IEEE 1394 bus to adapted to other interfaces as taught by Silverman into the Takagawa's apparatus in order to utilize the communication interface device. Doing so would provide a quick, simple and reliable process to adapt to any networking types of approaches.

5. As per claim 2, Takagawa-Silverman disclose the storage communication device includes at least a peripheral product corresponding with the regulation of a PC card and a CF card as design choice of URL card or ID card.

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6. As per claim 3, Takagawa-Silverman disclose the communication device includes at least USB and 1394 devices [Silverman, USB, IEEE 1394, col 8 lines 19-23].

7. As per claim 4, Takagawa-Silverman disclose the second signal transmission end connects to a signal transmission cable for connecting with the CPU of the second computing device [Takagawa, Fig 1,12][Silverman, smart cable, col 10 line 39 et seq.].

As per claim 5, Takagawa-Silverman disclose the peripheral products corresponding with the regulations of the PC card and the CF card include at least a memory card, a digital card, various types of converter cards for the memory cards, cabled and wireless network cards, and a bluetooth wireless communication card as a design choice.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Thong Vu, whose telephone number is (571)-272-3904. The examiner can normally be reached on Monday-Thursday from 8:00AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, *Jack Harvey*, can be reached at (571) 272-3896. The fax number for the organization where this application or proceeding is assigned is 703-872-9306

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval IPAIRI system. Status information for published applications may be obtained from either Private PMR or Public PMR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thong Vu
Patent Examiner
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